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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hidenari SAKAGUCHI Group Art Unit : Not Yet Assigned
Appl. No. : 10/564,551 Examiner : Not Yet Assigned
(U.S. National Stage of PCT/JP2004/010272)
I.A. Filed : July 13, 2004 Confirmation No.: 9501
For : MEDICAL LIGHT EMITTING DEVICE

COMPLETION OF RECORD

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop AMENDMENT
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir :

In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and §§1.97-1.98, Applicant hereby bring to the attention of the Examiner an English language translation of an International Preliminary Report on Patentability with respect to International Patent Application No. PCT/JP2004/010272.

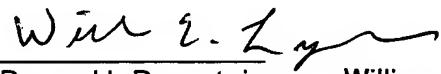
Applicant notes that a copy of an Japanese language version of the International Preliminary Report on Patentability has been filed concurrently with the present application, and the documents cited in the International Preliminary Report on Patentability have been cited in the Information Disclosure Statement filed on May 26, 2006. To complete the record, a copy of the above-noted English language translation of an International Preliminary Report on Patentability is attached hereto.

Applicant respectfully requests that the Examiner consider the above material.

Applicant notes that an Office Action on the merits has not issued in the present application, and thus no fee is believed necessary to ensure consideration of the submitted material.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully Submitted,
Hidenari SAKAGUCHI


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June 29, 2006
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NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II)
OF THE PATENT COOPERATION TREATY)
(PCT Rules 44bis.3(c) and 72.2)

Date of mailing (day/month/year) 11 May 2006 (11.05.2006)	To: SIKs & Co. 8th Floor Kyobashi-Nisshoku Bldg. 8-7, Kyobashi 1-chome Chuo-ku, Tokyo 1040031 JAPON
Applicant's or agent's file reference A41305A	IMPORTANT NOTIFICATION
International application No. PCT/JP2004/010272	International filing date (day/month/year) 13 July 2004 (13.07.2004)
Applicant SHOWA YAKUHIN KAKO CO., LTD. et al	

1. Transmittal of the translation to the applicant.

- The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).
- The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

EP, KR

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Masashi Honda
Facsimile No.+41 22 740 14 35	Facsimile No.+41 22 338 70 10

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference A41305A	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/JP2004/010272	International filing date (<i>day/month/year</i>) 13.07.2004	Priority date (<i>day/month/year</i>) 14.07.2003
International Patent Classification (IPC) or national classification and IPC A 6 1 C 1 7 / 0 0 , 1 9 / 0 0 , A 6 1 B 1 / 2 4		
Applicant SHOWA YAKUHIN KAKO CO., LTD.		

1.	This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.		
2.	This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.		
3.	This report is also accompanied by ANNEXES, comprising:		
a.	<input type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of _____ sheets, as follows: <input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.		
b.	<input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).		
4.	This report contains indications relating to the following items:		
<input checked="" type="checkbox"/> Box No. I Basis of the report <input type="checkbox"/> Box No. II Priority <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability <input type="checkbox"/> Box No. IV Lack of unity of invention <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement <input type="checkbox"/> Box No. VI Certain documents cited <input type="checkbox"/> Box No. VII Certain defects in the international application <input type="checkbox"/> Box No. VIII Certain observations on the international application			

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/010272

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- This report is based on translations from the original language into the following language _____ which is the language of a translation furnished for the purposes of:
- international search (Rule 12.3 and 23.1(b))
 publication of the international application (Rule 12.4)
 international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):
- the international application as originally filed/furnished
 the description:
 pages _____ as originally filed/furnished
 pages* _____ received by this Authority on _____
 pages* _____ received by this Authority on _____
- the claims:
 nos. _____ as originally filed/furnished
 nos.* _____ as amended (together with any statement) under Article 19
 nos.* _____ received by this Authority on _____
 nos.* _____ received by this Authority on _____
- the drawings:
 sheets _____ as originally filed/furnished
 sheets* _____ received by this Authority on _____
 sheets* _____ received by this Authority on _____
- a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. The amendments have resulted in the cancellation of:
- the description, pages _____
 the claims, nos. _____
 the drawings, sheets/figs _____
 the sequence listing (*specify*): _____
 any table(s) related to sequence listing (*specify*): _____
4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- the description, pages _____
 the claims, nos. _____
 the drawings, sheets/figs _____
 the sequence listing (*specify*): _____
 any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/010272

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement																										
<p>1. Statement</p> <table> <tr> <td>Novelty (N)</td> <td>Claims</td> <td>2-8</td> <td>YES</td> </tr> <tr> <td></td> <td>Claims</td> <td>1</td> <td>NO</td> </tr> <tr> <td>Inventive step (IS)</td> <td>Claims</td> <td>2-5</td> <td>YES</td> </tr> <tr> <td></td> <td>Claims</td> <td>1, 6-8</td> <td>NO</td> </tr> <tr> <td>Industrial applicability (IA)</td> <td>Claims</td> <td>1-8</td> <td>YES</td> </tr> <tr> <td></td> <td>Claims</td> <td></td> <td>NO</td> </tr> </table>				Novelty (N)	Claims	2-8	YES		Claims	1	NO	Inventive step (IS)	Claims	2-5	YES		Claims	1, 6-8	NO	Industrial applicability (IA)	Claims	1-8	YES		Claims		NO
Novelty (N)	Claims	2-8	YES																								
	Claims	1	NO																								
Inventive step (IS)	Claims	2-5	YES																								
	Claims	1, 6-8	NO																								
Industrial applicability (IA)	Claims	1-8	YES																								
	Claims		NO																								
<p>2. Citations and explanations (Rule 70.7)</p> <p>Document 1: JP 10-33576 A (Kyoto Tool Co., Ltd.), 10 February 1998</p> <p>Document 2: JP 9-82101 A (Seikosha Corp.), 28 March 1997</p> <p>Document 3: JP 2003-165924 A (Nippon Sheet Glass Co., Ltd.), 10 June 2003</p> <p>Document 4: JP 2004-205500 A (Toyoda Gosei Co., Ltd.), 23 July 2002</p>																											
<p>The invention set forth in claim 1 is not novel and does not involve an inventive step, because it is disclosed in document 1 cited in the international search report. The invention disclosed in document 1 is a probe for measuring and probing the periodontal pocket, comprising a fluorescent resin, which is also a luminescent device for medical use.</p> <p>The invention set forth in claim 6 does not involve an inventive step in the light of document 1 and document 2, cited in the international search report. A person skilled in the art could easily apply the feature of "using physical luminescence and chemical luminescence by employing a photoluminescent phosphor as a luminescent element", as taught by document 2 (claim 4 and paragraph</p>																											

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/010272

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
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[0002]) in a device disclosed in document 1.

The invention set forth in claim 7 does not involve an inventive step in the light of document 1 and document 2. A person skilled in the art could easily apply the feature of "using luminol or an oxalic acid ester in a chemiluminescent device", as taught by document 2 (claim 4 and paragraph [0002]) in a device disclosed in document 1.

The invention set forth in claim 8 does not involve an inventive step in the light of document 1 and document 2, and document 3 and document 4, cited in the international search report. A person skilled in the art could easily apply the feature of "using strontium aluminate as a photoluminescent material" as taught in document 3 (paragraph [0023]), and "using europium as a fluorescent material" as taught in document 4 (paragraph [0024]) in a device disclosed in document 1.

In the inventions set forth in claims 2-5, the feature of a "mouthpiece having a luminescent body or phosphorescent body" is not disclosed in any of the documents cited in the international search report, and is not obvious to a person skilled in the art.

Therefore, the inventions set forth in claims 2-5 are not disclosed in any of the documents cited in the international search report and are not obvious to a person skilled in the art.